

CMAX-3030S-43-V53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,

Electrical Specifications

| Frequency Band, MHz | 698–800 | 800–960 | 1695–1880 | 1850–1990 | 1920–2180 | 2200–2700 | 2300–2360 |
|--|------------|------------|------------|------------|------------|------------|------------|
| Gain, dBi | 13.1 | 13.9 | 12.4 | 13.0 | 13.2 | 14.4 | 14.3 |
| Beamwidth, Horizontal, degrees | 39 | 35 | 39 | 36 | 35 | 29 | 30 |
| Beamwidth, Vertical, degrees | 38.0 | 33.0 | 38.0 | 35.0 | 34.0 | 29.0 | 29.0 |
| Horizontal Sidelobe, dB | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Front-to-Back Ratio, Copolarization 180° ± 30°, dB | 28 | 30 | 30 | 30 | 30 | 30 | 30 |
| Isolation, Cross Polarization, dB | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| VSWR Return Loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 | -153 | -153 |
| Input Power per Port, maximum, watts | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Polarization | ±45° | ±45° | ±45° | ±45° | ±45° | ±45° | ±45° |
| Impedance | 50 ohm | 50 ohm | 50 ohm | 50 ohm | 50 ohm | 50 ohm | 50 ohm |

Product Classification

Brand Cell-Max™

General Specifications

| | |
|-----------------------------------|------------------|
| Antenna Type | Directional |
| Application | Indoor Outdoor |
| Includes | Mounting bracket |
| Number of Ports, all types | 2 |
| Package Quantity | 1 |

Mechanical Specifications

| | |
|-------------------------------|---|
| Color | White |
| Radome Material | Fiberglass, UV resistant |
| RF Connector Interface | 4.3-10 Female |
| Wind Loading, maximum | 2128.0 N @ 216 km/h 478.4 lbf @ 216 km/h |
| Wind Speed, maximum | 216 km/h 134 mph |

Environmental Specifications

CMAX-3030S-43-V53

| | |
|---------------------------------------|--------------------------------------|
| Ingress Protection Test Method | IEC 60529:2001, IP65 |
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |
| Relative Humidity | Up to 100% |
| Vibration Test Method | ASTM D4169 IEC 60068-2-6 |

Dimensions

| | |
|--------------------------------------|--------------------|
| Depth | 120.0 mm 4.7 in |
| Length | 760.0 mm 29.9 in |
| Width | 760.0 mm 29.9 in |
| Net Weight | 12.0 kg 26.5 lb |
| Net Weight, with mounting kit | 18.0 kg 39.7 lb |

Packed Dimensions

| | |
|------------------------|---------------------|
| Depth | 218.0 mm 8.6 in |
| Length | 1012.0 mm 39.8 in |
| Width | 805.0 mm 31.7 in |
| Shipping Weight | 22.0 kg 48.5 lb |

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification

